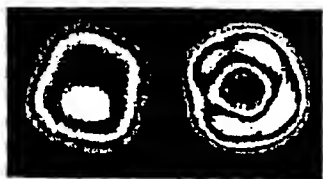


Fig. 1



Hermite-Gaussian mode VCSEL:

Fig. 2a

Laguerre-Gaussian mode VCSEL:

Fig. 2b

Fig. 3a

1

2

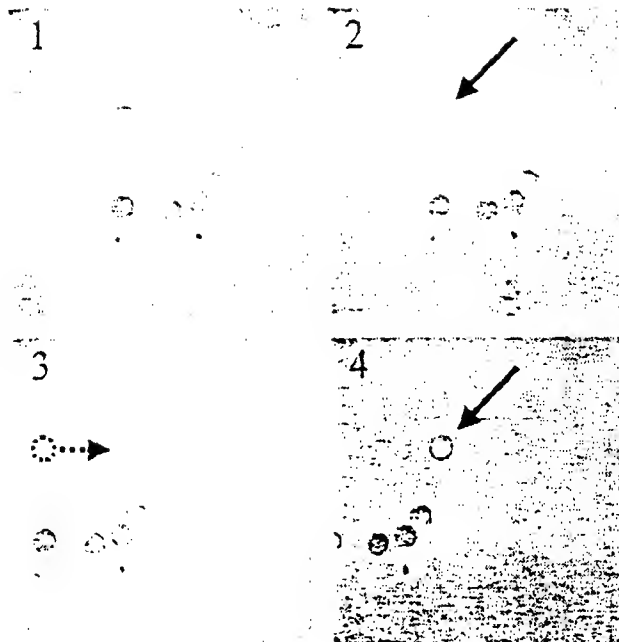
Fig. 34

Fig. 3c

3

4

Fig. 3d



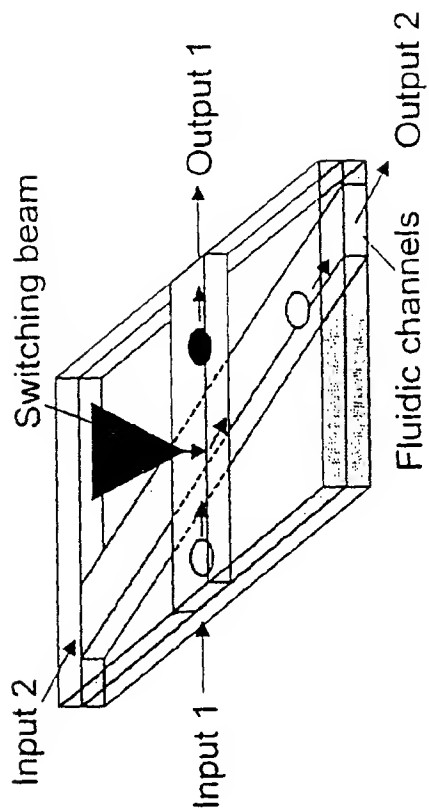


Fig. 4a

Side view:

Optical beam off:

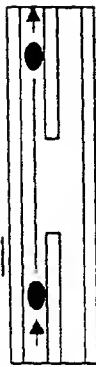
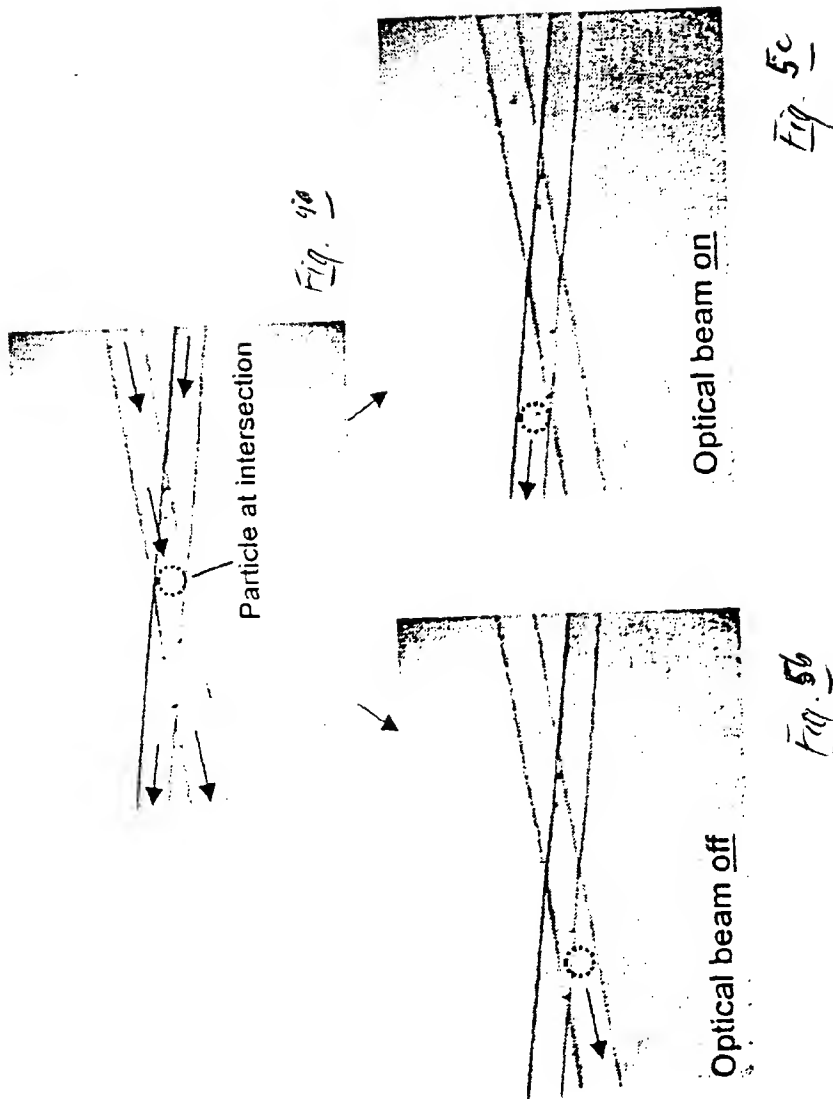


Fig. 4b

Optical beam on:



Fig. 4c



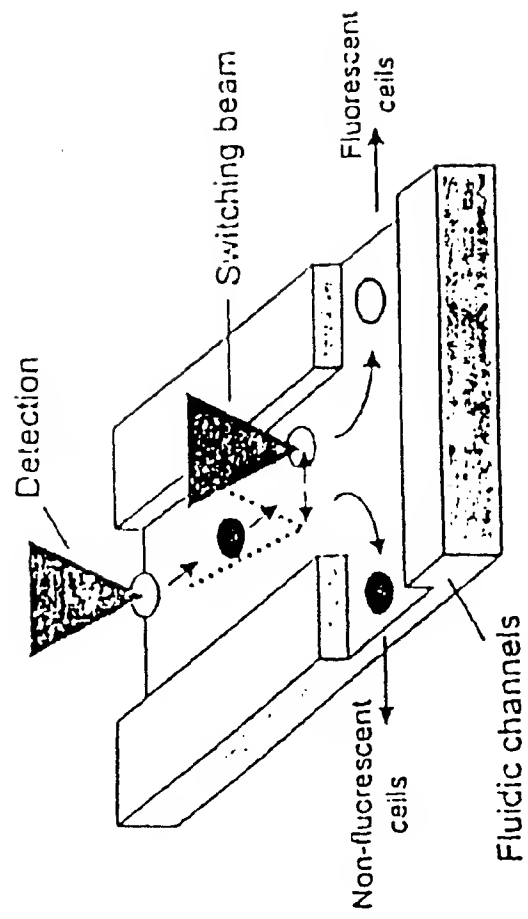


Fig 6

00000042.412804  
FOBET 24086600

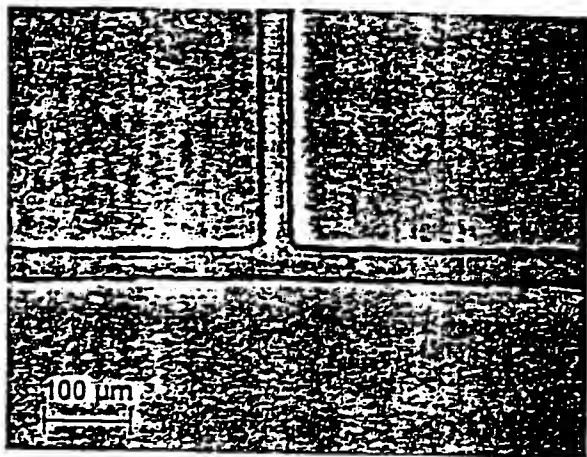


Fig. 79

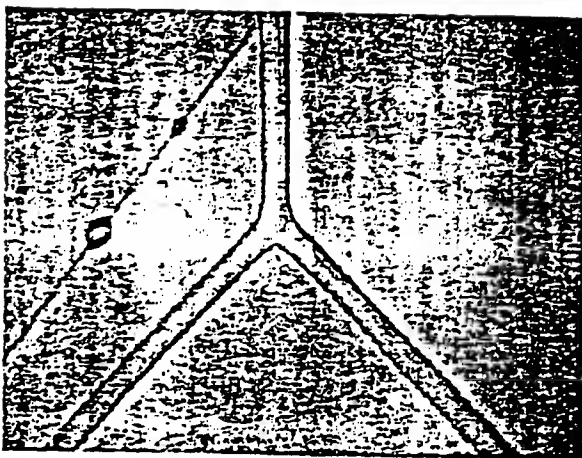


Fig. 78

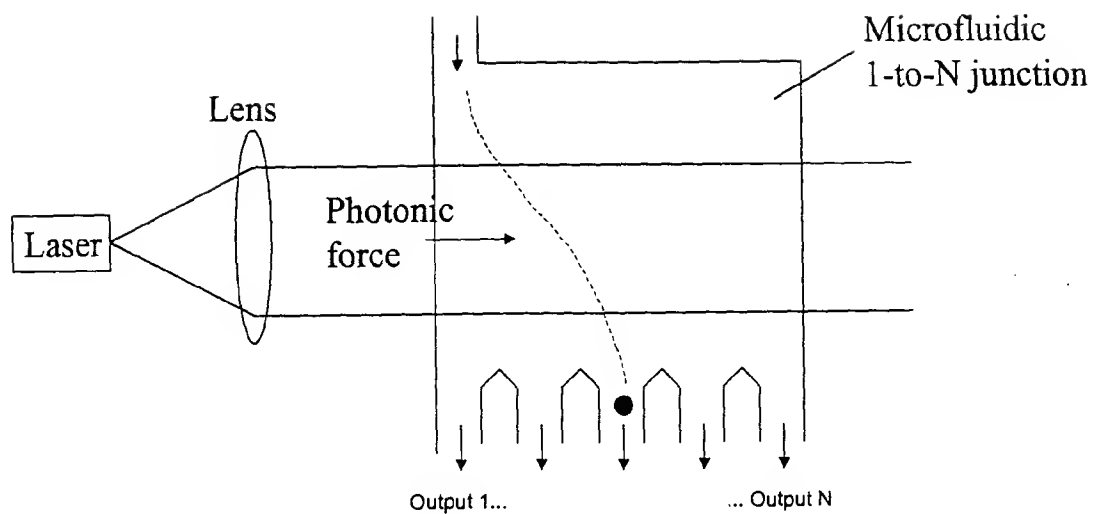


Figure 7c 1-to-N optically-switched microfluidic junction

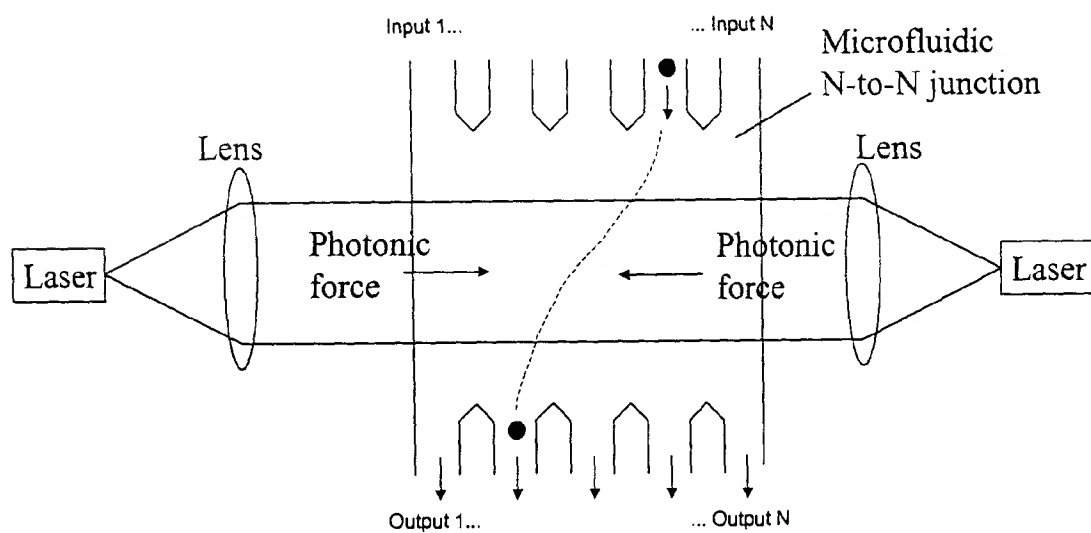


Figure 7d M-to-N optically-switched microfluidic junction

0000013142304  
FOEFF-ET08660

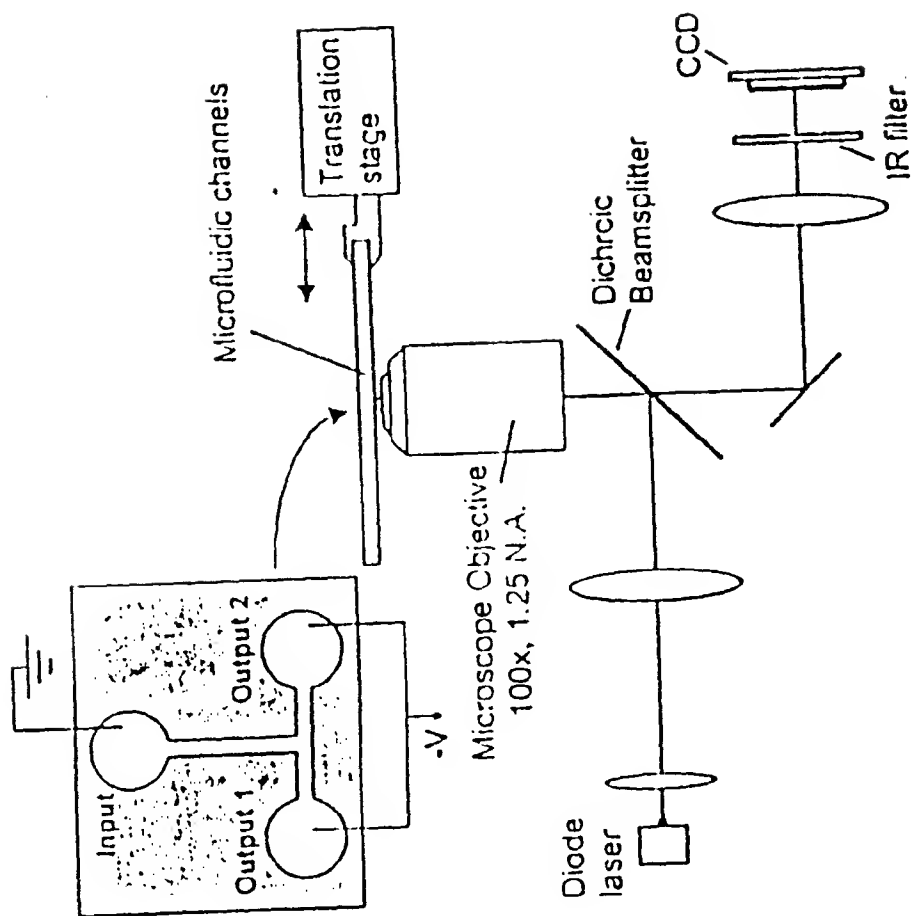


Fig. 8



9

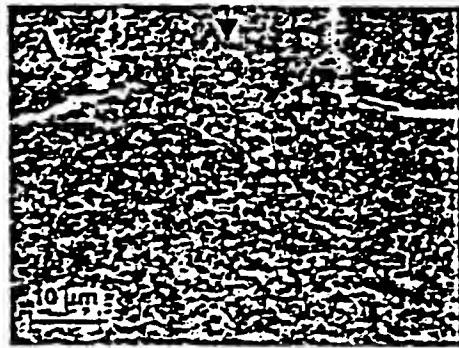


Fig. 9a

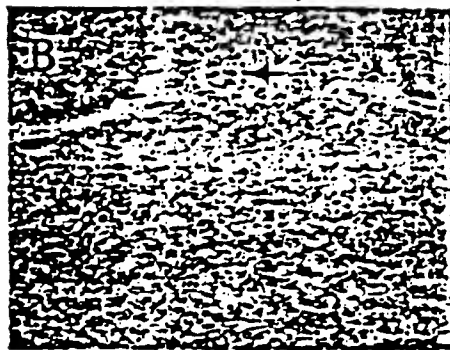


Fig. 93

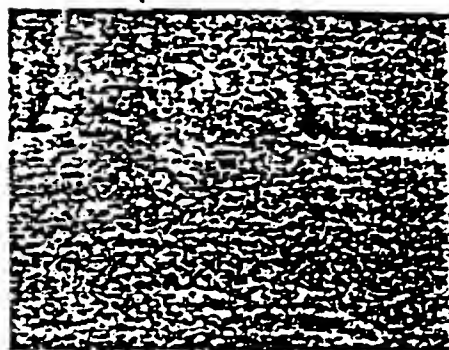


Fig. 9d

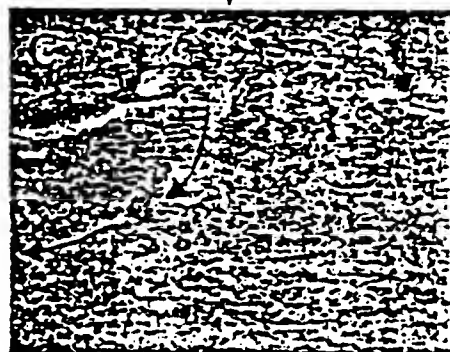


Fig. 9c



Fig. 9c